2006-08 MAINTENANCE

Maintenance - Civic (Exept GX & Hybrid))

LUBRICANTS AND FLUIDS

For details of lubrication points and type of lubricants to be applied, refer to **LUBRICANT OR FLUID REFERENCE** and various work procedures (such as Assembly/Reassembly, Replacement, Overhaul, Installation, etc.) .

LUBRICANT OR FLUID REFERENCE

Application		Lubricant or Fluid
A	Engine	Honda Motor Oil: American Honda P/N 08798-9023 (5W-20), Honda Canada P/N CA66806 (5W-20) Look for the API certification seal on the oil container as shown in **Fig. 1**. Make sure it says "For Gasoline Engines." SAE viscosity .
B	Manual transmission	Honda Manual Transmission Fluid (MTF): P/N 08798-9016 Always use Honda MTF. Using motor oil can cause stiffer shifting because it does not contain the proper additives.
	Automatic transmission	Honda Automatic Transmission Fluid (ATF-Z1): American Honda P/N 08200-9001,

		Honda Canada P/N CA66689 Always use Honda ATF-Z1. Using a non-Honda ATF can affect shift quality.
C	Brake system (including ABS/VSA line)	Honda DOT 3 Brake Fluid: P/N 08798-9008 Always use Honda DOT 3 Brake Fluid. Using a non-Honda brake fluid can cause corrosion and decrease the life of the system.
D	Clutch system (manual transmission)	Honda DOT 3 Brake Fluid: P/N 08798-9008 Always use Honda DOT 3 Brake Fluid. Using a non-Honda brake fluid can cause corrosion and decrease the life of the system.
E F G H I J K	Brake booster clevis Clutch master cylinder clevis (manual transmission) Release fork (manual transmission) Battery terminals Fuel fill door Hood hinges Trunk hinges and trunk latch	Multipurpose Grease
L	Rear brake shoe linkage (rear drum brake model)	Rubber Grease
M N	Shift cable ends Caliper piston boots,	Honda Silicone Grease: P/N 08C30-B0234M

	caliper piston seals, caliper pins, and boots	
O	Power steering system	Honda Power Steering Fluid: P/N 08206-9002 Always use Honda Power Steering Fluid. Using any other type of power steering fluid or automatic transmission fluid can cause increased wear and poor steering in cold weather.
P	Air conditioning compressor	Compressor Oil: SP-10 (P/N 38897-P13-A01AH or 38899-P13-A01) for refrigerant HFC-134a (R-134a)
Q	Cooling System	Honda Long Life Antifreeze/Coolant Type 2: P/N OL999-9001

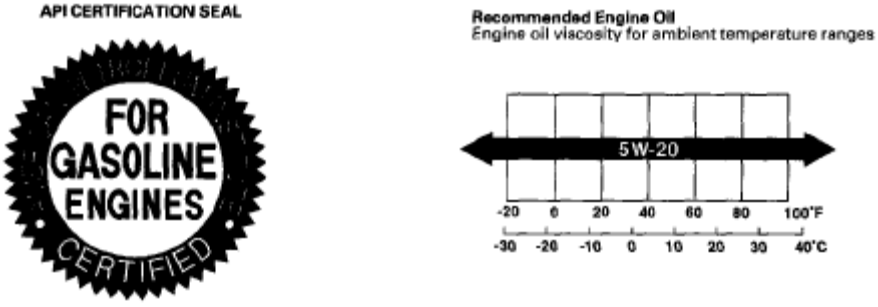
API CERTIFICATION SEAL
FOR GASOLINE ENGINES
CERTIFIED
Recommended Engine Oil
Engine oil viscosity for ambient temperature ranges
5W-20
-20 0 20 40 60 80 100°F
-30 -20 -10 0 10 20 30 40°C

Fig. 1: Identifying API Certification Seal And Recommended Engine Oil
Courtesy of AMERICAN HONDA MOTOR CO., INC.

NOTE: The illustration shows the 4-door model.

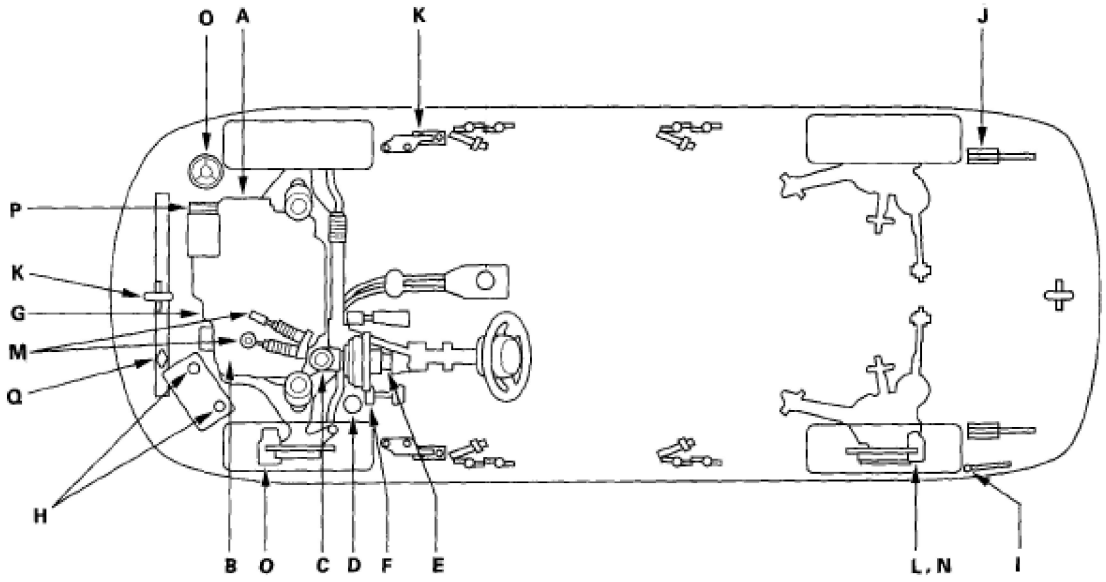

Fig. 2: Identifying Grease Lubrication Points (4-Door Model)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

MAINTENANCE MINDER

GENERAL INFORMATION

Maintenance Display

The Maintenance Minder is an important feature of the information display. The Civic's onboard computer (ECM/PCM) calculates the remaining engine oil life and automatic transmission fluid life. The system also displays the code for other scheduled maintenance items needing service.

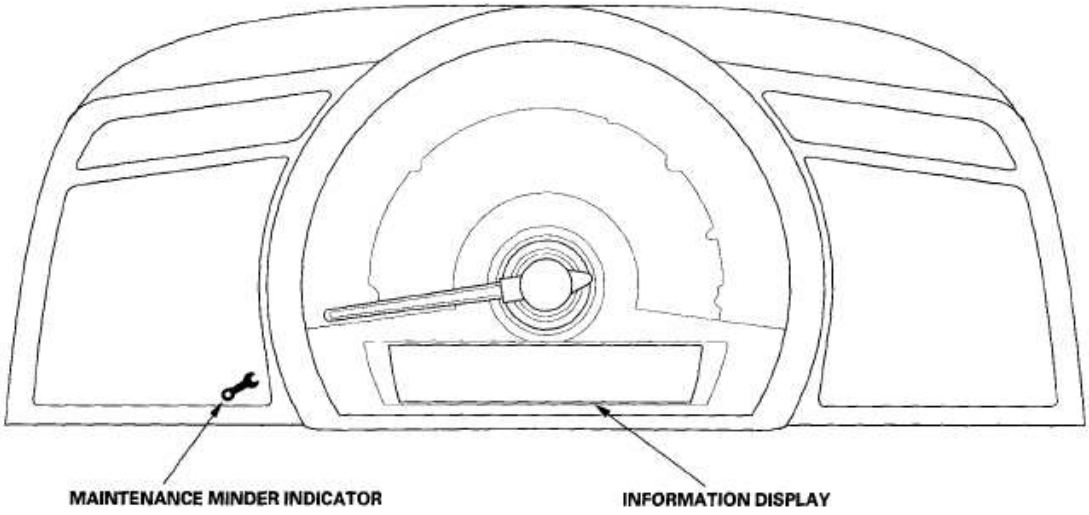

Fig. 3: Identifying Maintenance Minder Display And Driver's Side Dashboard Courtesy of AMERICAN HONDA MOTOR CO., INC.

Service Information

1. The remaining engine oil life (A) is shown as a percentage in the information display. To see the current engine oil life , turn the ignition switch to the ON (II) position, then push and release the SEL/RESET button repeatedly until the engine oil life displays.

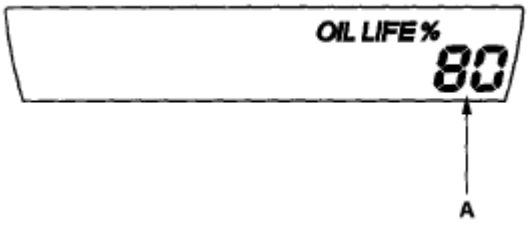

Fig. 4: Engine Oil Life At 80 Percent Displayed
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. When the ignition switch is in the ON (II) position, and the remaining engine oil life is 6% to 15%, the remaining engine oil life (A) and other scheduled maintenance item(s) needing service are displayed. The maintenance minder indicator (B) also comes on when the engine oil life is 15% or less. To cancel the display and the indicator, press the SEL/RESET button.
   - Complete list of maintenance main items (C) (see **MAINTENANCE MAIN ITEMS**).
   - Complete list of maintenance sub items (D) (see **MAINTENANCE SUB ITEMS**).

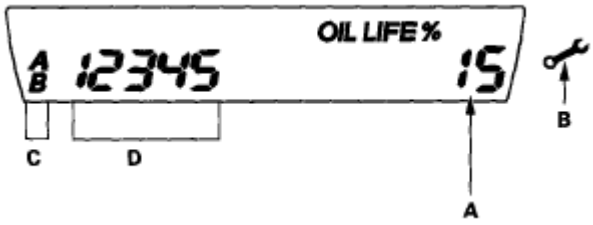

Fig. 5: Engine Oil Life At 15 Percent Displayed
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. When the ignition switch in the ON (II) position, and the remaining engine oil life is 1% to 5%, the message "SERVICE" (A) is displayed along with engine oil life and the same maintenance item code(s).

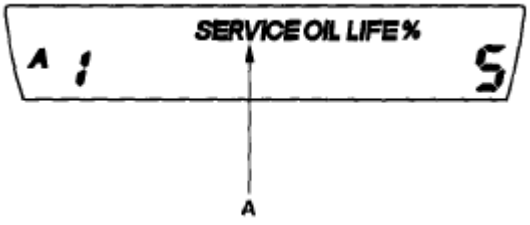

Fig. 6: Service Oil Life At 5 Percent Displayed
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. When the ignition switch is in the ON (II) position, and the remaining engine oil life is 0%, the engine oil life indicator (A) blinks. Pressing the SEL/RESET

button cancels the display, but the maintenance minder indicator stays on.

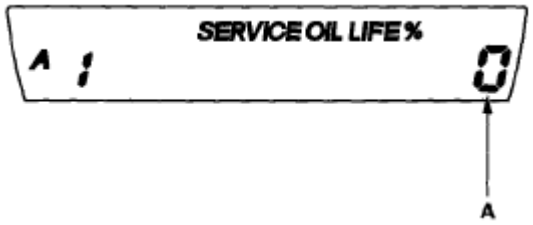

Fig. 7: Service Oil Life At 0 Percent Displayed
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. If the indicated maintenance is not done, the engine oil life indicator shows a negative mileage, for example "-10,", on the display. If the negative mileage is between 0 and -9, the indicator is displayed for only a few seconds when the ignition switch is turned to the ON (II) position. The negative mileage remains displayed after the vehicle is driven more than 10 miles (for USA models) or 10 km (for Canada models) after 0% oil life is reached. This means the indicated maintenance item(s) should have been done more than 10 miles (or 10 km) ago.

Fig. 8: Service Oil Life At Negative 10 Miles
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Resetting the Maintenance Information Display

NOTE:

- **The vehicle must be stopped to reset the display.**
- **If a required service is done and the display is not reset, or if the maintenance display is reset without doing the service, the system will not show the proper maintenance timing. This can lead to serious mechanical problems because there will be no accurate record of when the required maintenance is needed.**

1. Turn the ignition switch to the ON (II) position.

2. Press the SEL/RESET button repeatedly until the engine oil life indicator is displayed.
3. Press and release and hold the SEL/RESET button for about 10 seconds. The engine oil life indicator and the maintenance item code(s) will blink.

NOTE: If you are resetting the display when the engine oil life is more than 15%, make sure any maintenance item(s) requiring service are done before resetting the display.

4. Press and hold the SEL/RESET button for another 5 seconds. The maintenance item code(s) will disappear, and the engine oil life will reset to "100."

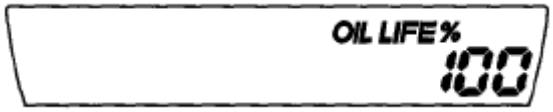

Fig. 9: Oil Life At 100 Percent
Courtesy of AMERICAN HONDA MOTOR CO., INC.

MAINTENANCE MAIN ITEMS

If the message "SERVICE" does not appear more than 12 months after the display is reset, change the engine oil every year.

NOTE:
- **Replace the brake fluid every 3 years (Independent of the maintenance messages in the information display).**
- **Inspect idle speed every 160,000 miles (256,000 km).**
- **Adjust the valves during services A, B, 1,2 or 3, only if they are noisy.**

MAINTENANCE MAIN ITEMS DESCRIPTION

Symbol	Maintenance Main Items
A	Replace engine oil R18A1 (see **OIL PRESSURE TEST**), K20Z3 (see **OIL PRESSURE TEST**). Engine oil capacity without oil filter: R18A1 3.5 L (3.7 US qt), K20Z3 4.2L (4.4 US qt).

B	Replace engine oil and oil filter R18A1 (see **ENGINE OIL FILTER REPLACEMENT**), K20Z3 (see **ENGINE OIL FILTER REPLACEMENT**). Engine oil capacity with oil filter: R18A1 3.7 L (3.9 US qt), K20Z3 4.4 L (4.6 US qt).
	Inspect front and rear brakes (see **COMPONENT LOCATION INDEX**). • Check pads and discs for wear (thickness), damage, and cracks. • Check calipers for damage, leaks, and tightness of mounting bolts. • Check the wheel cylinder for leaks. • Check the brake linings for craking, glazing, wear, or contamination.
	Check parking brake adjustment (see **PARKING BRAKE INSPECTION AND ADJUSTMENT**). Check the number of clicks (8 to 10) when the parking brake lever is pulled with 196 N (20 kgf, 44 lbf) of force.
	Inspect tie-rod ends, steering gearbox, and gearbox boots (see **COMPONENT LOCATION INDEX**). • Check rack grease and steering linkage. • Check boots for damage and leaking grease. • Check fluid lines for damage and leaks.
	Inspect suspension components (see **COMPONENT LOCATION INDEX**). • Check bolts for tightness. • Check condition of ball joint boots for deterioration and damage.
	Inspect driveshaft boots (see **DRIVESHAFT INSPECTION**). Check boots for cracks and boot bands for tightness.
	Inspect brake hoses and lines including ABS/VSA (see **BRAKE HOSE AND LINE INSPECTION**). Check the master cylinder and ABS/VSA modulator-control unit for

	damage or leakage.
	Inspect all fluid levels and condition of fluids. • Engine coolant R18A1 (see **COOLANT CHECK**), K20Z3 (see **COOLANT CHECK**). • Automatic transmission fluid (ATF-Z1) (see **ATF LEVEL CHECK**). • Manual transmission fluid (MTF) SPFM (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**), PNN3, PNN4 (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**). • Clutch fluid (see **CLUTCH MASTER CYLINDER REPLACEMENT**). • Power steering fluid (see **STEERING COLUMN/TILT/TELESCOPIC INSPECTION**). • Brake fluid (see **BRAKE FLUID LEVEL SWITCH TEST**). • Windshield washer fluid.
	Inspect exhaust system* R18A1 (see **INTAKE MANIFOLD AND EXHAUST SYSTEM (R18A1)**), K20Z3 (see **INTAKE MANIFOLD AND EXHAUST SYSTEM (K20Z3)**). Check catalytic converter heat shields, exhaust pipes, and muffler for damage, leaks, and tightness.
	Inspect fuel lines* and connections* R18A1 (see **FUEL LINE INSPECTION**), K20Z3 (see **FUEL LINE INSPECTION**). Check for loose connections, cracks, and deterioration; retighten loose connections and replace damaged parts.

NOTE: According to state and federal regulations, failure to do the maintenance items marked with an asterisk (*) will not void the customer's emissions warranties. However, Honda recommends that all maintenance services be done at the recommended interval, to ensure long-term reliability.

MAINTENANCE SUB ITEMS

MAINTENANCE SUB ITEMS DESCRIPTION

Number	Maintenance Sub Items
1	Rotate tires, and check tire inflation and condition. Follow the pattern shown in the Owner's Manual.
2	Replace air cleaner element R18A1 (see **AIR CLEANER ELEMENT INSPECTION/REPLACEMENT**), K20Z3 (see **AIR CLEANER ELEMENT INSPECTION/REPLACEMENT**). Replace every 15,000 miles (24,000 km), if the vehicle is driven primaly in dusty conditions.
	Replace dust and pollen filter (see **DUST AND POLLEN FILTER REPLACEMENT**). • Replace the filter at 15,000 miles (24,000 km) intervals if the vehicle is driven mostly in urban areas that have high concentrations of soot in the air from industry and diesel-powered vehicles. • Replace the filter whenever airflow from the heating and cooling system is less than normal.
	Inspect drive belt R18A1 (see **DRIVE BELT AUTO-TENSIONER INSPECTION**), K20Z3 (see **DRIVE BELT INSPECTION**). Look for cracks and damage, then check the position of the drive belt auto-tensioner indicator.
3	Replace automatic transmission fluid (see **ATF REPLACEMENT**). Capacity: 2.4 L (2.5 US qt); use Honda ATF-Z1.
	Replace manual transmission fluid SPFM (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**), PNN3, PNN4 (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**). Capacity: SPFM 1.4 L (1.5 US qt), PNN3 1.5 L (1.6 US qt); use Honda MTF.
	Replace spark plugs R18A1 (see **SPARK PLUG INSPECTION**), K20Z3 (see **SPARK PLUG INSPECTION**). Use R18A1 IZFR6K1 IS (NGK) or SKJ20DR-M11S (DENSO), K20Z3 IFR7G11KS (NGK) or SK22PR-MIIS(DENSO).

4	Inspect the valve clearance (cold) R18A1 (see **VALVE CLEARANCE ADJUSTMENT**), K20Z3 (see **VALVE CLEARANCE ADJUSTMENT**). R18A1 Intake: 0.18-0.22 mm (0.007-0.009 in.), Exhaust: 0.23-0.27 mm (0.009-0.011 in.), K20Z3 engine Intake 0.21-0.25 mm (0.008-0.010 in.), Exhaust: 0.25-0.29 mm (0.010-0.011 in.).
5	Replace engine coolant R18A1 (see **COOLANT REPLACEMENT**), K20Z3 (see **COOLANT REPLACEMENT**). Capacity (including the reservoir): 4-door model (except Si): 5.2 L (1.37 US gal), 2-door model (except Si): 5.2 L (1.37 US gal). Si: 4.5 L (1.19 US gal); use Honda Long Life Antifreeze/Coolant Type 2.